



PUBLIC NOTICE

APPLICATION FOR PERMIT

U.S. Army
Corps of Engineers
Chicago District

Public Notice/Application Number: 200400822
Comment Period Begins: October 12, 2004
Comment Period Expires: November 12, 2004

JOINT PUBLIC NOTICE

U.S. Army Corps of Engineers
Illinois Environmental Protection Agency
Illinois Department of Natural Resources-
Office of Water Resources

Applicant: Village of Lincolnshire

Proposed Action: Construct a new public road to provide a north-south connection from Half Day Road to Marriott Drive, and to provide an access for the future development on the southwest corner of Milwaukee Road and Half Day Road. The road crossing will result in 1.87 acres of wetland impact with 2.8 acres of onsite mitigation (see attached drawings). A detailed description of this proposal is provided on page 2 of this notice.

Location of Proposed Action: Southeast corner of Milwaukee Avenue and Half Day Road in Lincolnshire, Lake County, Illinois (Section 15,22, Township 43n North, Range 11e East)

Interested parties are hereby notified that an application has been received for a Department of the Army permit for the activity described herein and as shown on the attached drawings. You are invited to provide your comments by November 1, 2004 on the proposed work, which will become part of the record and will be considered in the decision. A permit will be issued or denied under Section 404 of the Clean Water Act of 1972 (33 U.S.C. 1344). Written comments should be mailed to:

U.S. Army Corps of Engineers
Chicago District, Regulatory Branch
Attn: 200400822, Mr. Paul Leffler
111 North Canal Street, 6th floor
Chicago, Illinois 60606-7206

Project Description

The applicant is proposing to fill 1.87 acres of wetland to construct a new road from Half Day Road to Marriott Drive. The road is needed to alleviate traffic flow problems and provide access to current and proposed commercial developments. There are no less damaging alternatives because the location of the road is fixed at the north outlet due to requirements by the Illinois Department of Transportation.

The project will include the construction of a wetbottom detention basin with sediment forebays at all inlets and outlets. In addition the road will have one 24" culvert to allow for the flow of water from the smaller bisected wetland east to the larger wetland complex. It is important to note that the proposed development includes the construction of a spur road for future development on the northwest corner of the site. The future development should not have any further direct impacts to the existing wetland area.

On the project site there is a 12.5 acres wetland complex associated with Indian Creek and an unnamed tributary. The FQI is 11.7 and the mean C is 2.3. Sections of the property have been disturbed by grading and fill.

Overall the wetland is dominated by invasive species such as *Phalaris arundinacea*, *Lythrum salicaria*, and *Phragmites australis*.

The applicant is proposing onsite mitigation at a 1.5:1 ratio south of the existing wetland. Their wetland mitigation proposal includes the creation of 1.78 acres of Wet to Mesic Prairie, 1.84 acres of Shallow Emergent, 0.46 acre of Deep Emergent, and 0.44 acre of Aquatic. The planting plan for these mitigation areas is attached. The buffer around the mitigation area is 25'-30' on west and south sides, and over 100' on the east side. Marriott Drive and the proposed Knightsbridge Parkway will be immediately adjacent to the proposed mitigation area on the west and south sides. The Village of Lincolnshire will assume responsibility for the longterm management of this area.

Regulatory Authority: This proposed action will be reviewed according to the provisions of Section 404 of the Clean Water Act.

Jurisdiction: This application will be reviewed according to the provisions of Section 404 of the Clean Water Act due to the proposal to fill in 1.87 acres of wetlands with hydrologic surface connection to the Des Plaines River, via Indian Creek.

Evaluation Factors

The decision whether to issue a permit will be based on an evaluation of probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative

effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. In addition, if the proposed activity involves the discharge of dredged or fill material into waters of the United States, the evaluation of the impact on the public interest will include application of Section 404(b)(1) guidelines (40 CFR 230) promulgated by the U.S. Environmental Protection Agency.

The Corps of Engineers is soliciting comments from the public, Federal, state and local agencies, Indian tribes, and other interested parties in order to consider and evaluate the potential impacts of the proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on the public interest factors listed above, as well as endangered species, historic properties, water quality, and general environmental effects. Comments will be used in the preparation of an Environmental Assessment and/or Environmental Impact Statement pursuant to the National Environmental Policy Act. A determination concerning the need for a public hearing will also be based on the comments received.

Preliminary Evaluation of Selected Factors

Water Quality - The applicant has applied to the Illinois Environmental Protection Agency (IEPA) for water quality certification, or waiver thereof, for the proposed activity in accordance with Section 401 of the Clean Water Act. Certification or waiver indicates that IEPA believes the activity will not violate applicable water quality standards. The review by the IEPA is conducted in accordance with the Illinois water quality standards under 35 Illinois Administrative Code Subtitle C. The water quality standards provide for the IEPA to review individual projects by providing an antidegradation assessment, which includes an evaluation of alternatives to any proposed increase in pollutant loading that may result from this activity. The "Fact Sheet" containing the antidegradation assessment for this proposed project may be found on the IEPA's web site, at www.epa.state.il.us/public-notice/. In the event that the IEPA is unable to publish the "Fact Sheet" corresponding to the timeframe of this Joint Public Notice, a separate public notice and "Fact Sheet" will be published by the IEPA at the web site identified above. You may also obtain a copy of the "Fact Sheet" by contacting the IEPA at the address or telephone number shown below.

Written comments specifically concerning possible impacts to water quality should be addressed to:

Illinois Environmental Protection Agency
Bureau of Water
Watershed Management Section
1021 N. Grand Avenue East
P.O. Box 19276

A copy of the written comments should be provided to the Corps of Engineers. If you have any questions please contact IEPA at (217) 782-3362.

Department of Natural Resources - The applicant has applied to the Illinois Department of Natural Resources, Division of Water Resources (IDNR-OWR) for a permit pursuant to the State of Illinois Rivers, Lakes and Streams Act (615 ILCS 5, 1994). Comments concerning the IDNR-OWR permit should be addressed to:

Illinois Department of Natural Resources
Office of Water Resources
2050 West Stearns Road
Bartlett, Illinois 60103

with a copy provided to the Corps of Engineers. If you have any questions please contact IDNR at (847) 705-4341.

Endangered and Threatened Species - The Corps of Engineers has determined that the proposed activity would not affect any federally-listed endangered or threatened species or critical habitat for any endangered or threatened species, pursuant to the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et seq.). Therefore, consultation with the U.S. Fish and Wildlife Service pursuant to Section 7 of the Endangered Species Act does not appear to be warranted at this time.

Historic Properties/Cultural Resources - Preliminary review indicates that the proposed activity is not likely to adversely affect any historic property which is listed, or eligible for listing, on the National Register of Historic Places.

Environmental Impact Statement - A preliminary determination has been made that an environmental impact statement is not required for the proposed work.

Public Hearing - Any person may request in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearing shall state with particularity the reasons for holding a public hearing. A request for a hearing may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

It should be noted that materials submitted as part of the permit application become part of the public record and are thus available to the general public under the procedures of the Freedom of Information Act (FOIA). Individuals may submit a written request to obtain materials under FOIA or make an appointment to view the project file at the Chicago District Corps of Engineers Office of Counsel.

Interested parties wishing to comment on the proposed activity must do so by in writing no later than November 12, 2004. It is presumed that all parties receiving this notice will wish to respond to this public notice;

therefore, a lack of response will be interpreted as meaning that there is no objection to the project as described.

This public notice is not a paid advertisement and is for public information only. Issuance of this notice does not imply Corps of Engineers endorsement of the project as described.

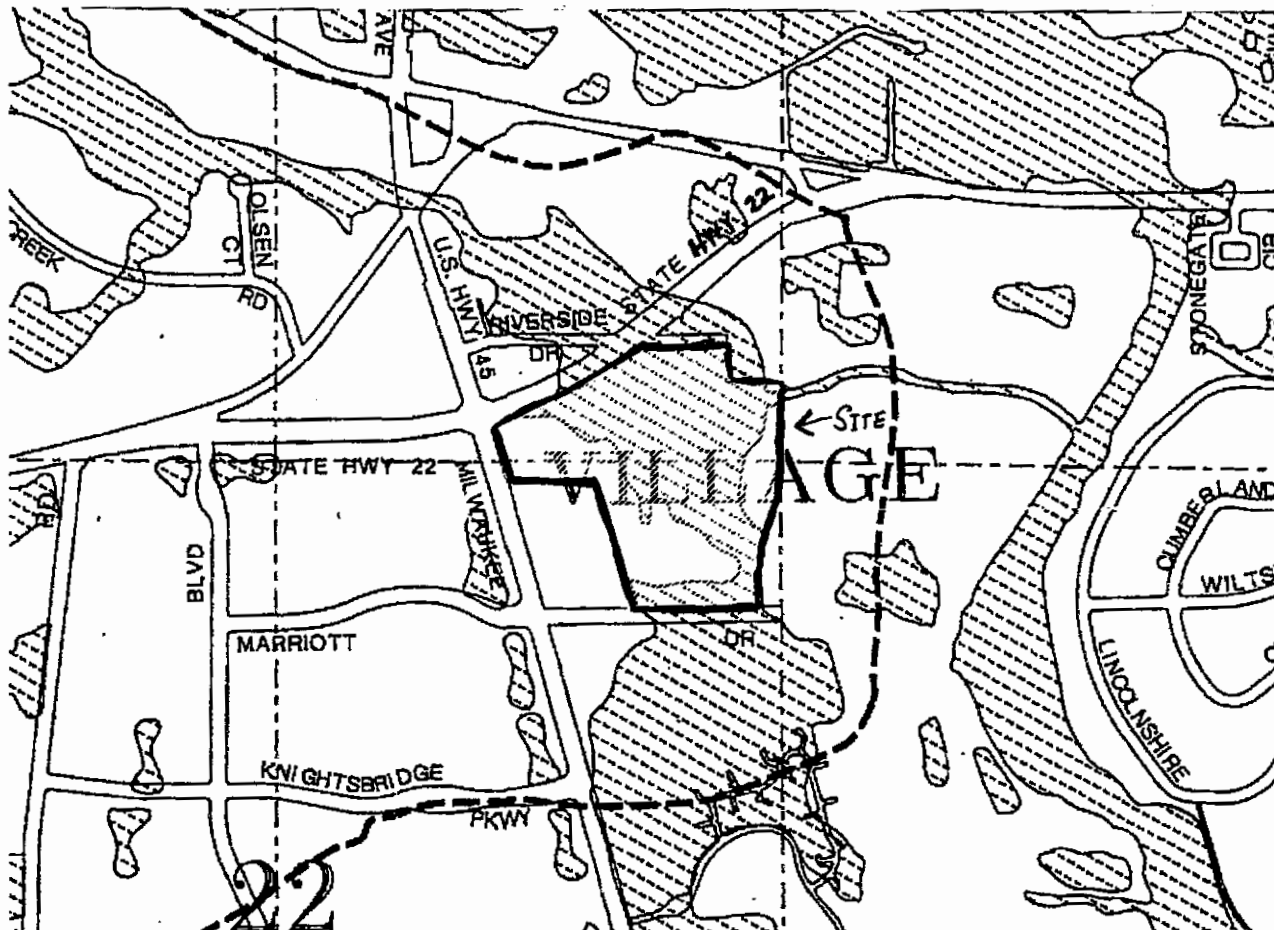
If you have any questions, please contact Mr. Paul Leffler of the Regulatory Branch by telephone at (312) 846-5529, or email at paul.m.leffler@usace.army.mil. **It should be noted that comments received via e-mail can only be accepted with the full name and address of the individual commenting.** You can also visit our website at www.lrc.usace.army.mil/co-r for more information on our program.

FOR THE DISTRICT ENGINEER:

Leesa A. Beal
Chief, East Section
Regulatory Branch

NOTICE TO POSTMASTERS:

It is requested that this notice be conspicuously and continuously posted until November 12, 2004.



LEGEND

○ APPROXIMATE SITE LOCATION

GENERAL NOTES

1. LAKE COUNTY WETLAND INVENTORY, 1993

MAP REPRESENTATION

TOWNSHIP LINE	---	WETLANDS - areas with a high potential for exhibiting hydric soil, hydrophytic vegetation and required hydrologic conditions.
SECTION LINE	---	FARMED WETLANDS - agricultural cropped areas on hydric soil that have been cleared, partially drained or filled.
QUARTER SECTION LINE	---	ARTIFICIAL WETLANDS - man-made water bodies on non-hydric soil.
ROAD CENTERLINE	---	CONVERTED WETLANDS - areas that have been drained or filled and no longer exhibit Wetland or Farmed Wetland characteristics.
ROAD RIGHT-OF-WAY	---	NON-WETLANDS - upland areas within wetlands.
WATERSHED BOUNDARIES	---	ADID WETLANDS
BASIN BOUNDARIES	---	
ADID WETLAND IDENTIFICATION NUMBER	999	
BASIN REFERENCE NUMBER	899	
FOX RIVER WATERSHED	DES PLAINES RIVER WATERSHED	
Snake Name Code	Snake Name Code	
UPPER CHAIN-O-LAKES 801	NORTH MILL CREEK 810	
SECURITY CREEK 802	MILL CREEK 811	
FISH LAKE DRAIN 803	NEWPORT DRAINAGE DITCH 812	
LONG LAKE 804	UPPER DESPLAINES RIVER 813	
LOWER CHAIN-O-LAKES 805	BULL CREEK 814	
MUTTON CREEK 806	INDIAN CREEK 815	
SLOUGH LAKE DRAIN 807	LOWER DESPLAINES RIVER 816	
TOWER LAKE DRAIN 808	SUFFALO CREEK 817	
FLINT CREEK 809	APTAKISIC CREEK 818	

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**COWHEY
GUDMUNDSON
LEDER, LTD.**

300 PARK BOULEVARD
ITASCA, ILLINOIS 60143
CONSULTING ENGINEERS (630) 250-9595

**KNIGHTSBRIDGE PARKWAY
EXTENSION
LAKE COUNTY, ILLINOIS**

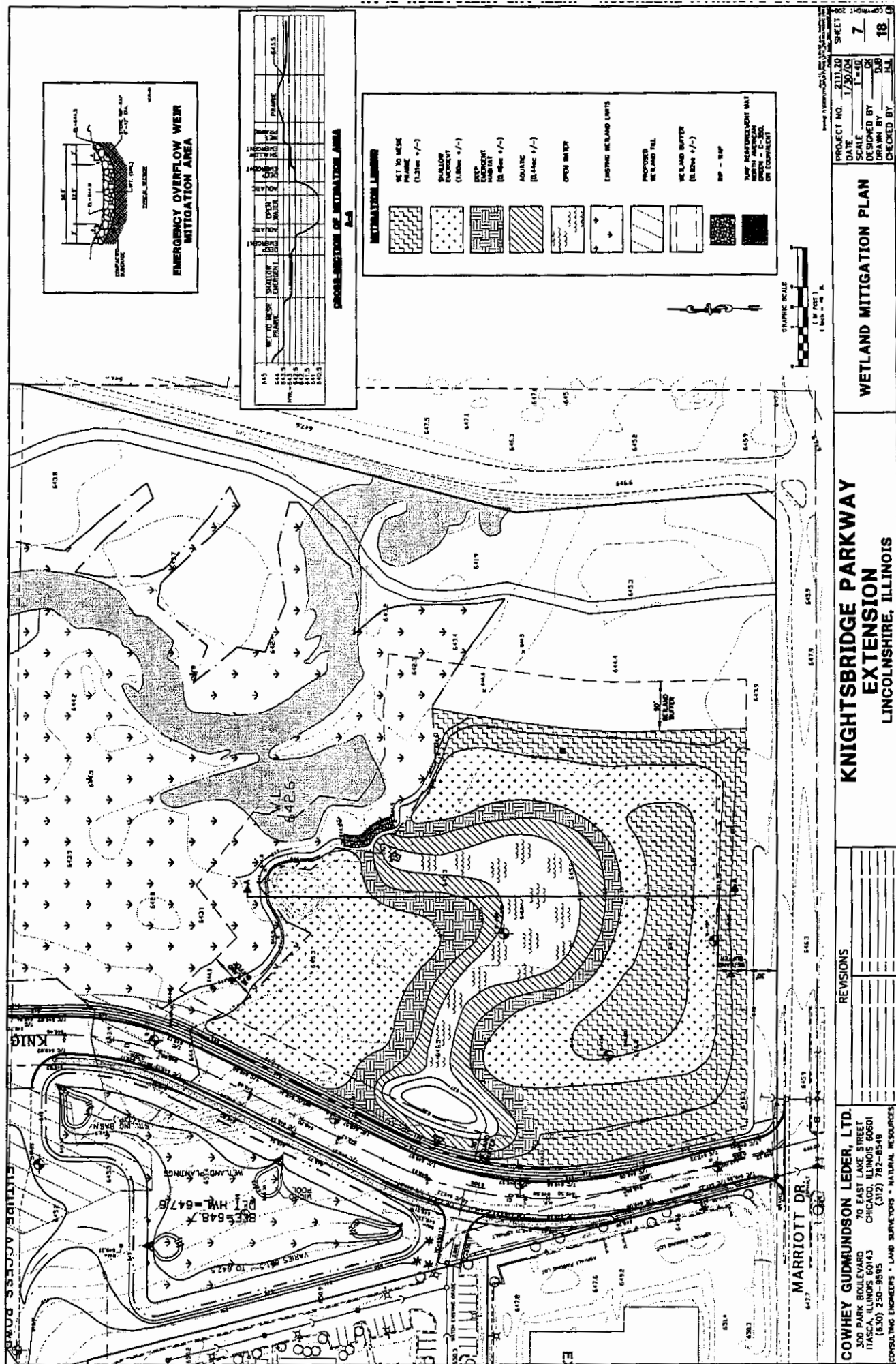
**LAKE
COUNTY
WETLAND
INVENTORY**

PROJECT NO. 2111.20
DATE 1/21/04
SCALE 1"=1000'
DESIGNED BY VNJ
DRAWN BY VNJ
CHECKED BY IRT

FIGURE
6

7

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COWHEY GUDMUNDSON LEDER, LTD.
300 PARK BOULEVARD
ITASCA, ILLINOIS 60143
(630) 250-9595

70 EAST LAKE STREET
CHICAGO, ILLINOIS 60601
(312) 782-8548

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Prior to topdressing activities, disking the surface at the subgrade elevation shall be conducted in all areas over excavated. Additionally, disking shall also be conducted following top dress activities and final grading in areas that do not require topdressing to create a seedbed with clods reduced to a diameter of 3 inches or less. Following disking, all areas shall be dragged with a harrow or similar device in order to further break clods and level the seedbed. Disking wet soils shall not be conducted. No wheel traffic shall occur in the areas following final disking.

Vegetation

Emergent

Establishment of emergent vegetation within the wetland creation area will be conducted according to the design shown on the Wetland Mitigation Planting Plan. Within the wetland creation, emergent vegetation will be established at, and between, the 643.00 and 642.00 elevations, which is from 3 to 6 inches below the designed Normal Water Level (NWL) of 643.00. Shallow emergent vegetation will be established on a flat shelf at 642.75, which will be approximately 3 inches below the NWL. Deep emergent vegetation will be established between 642.5 and 642.00 or approximately six inches below the designed normal water level.

Emergent vegetation will be established through a combination of planting and seeding a mix of native wetland species. All plants will be container grown and will be planted at a rate of 4,000 plant plugs per acre. The relative proportions and varieties of species were selected based upon suitability to the anticipated soils and hydrologic conditions of the areas and are provided in Tables 4 through 6 below.

Table 4. Shallow Emergent Plugs
4000 plugs per acre

Species Name	Common Name	Plugs per AC.
<i>Acorus calamus</i>	Sweet Flag	150
<i>Alisma subcordatum</i>	Water Plantain	200
<i>Carex comosa</i>	Bristly Sedge	300
<i>Carex emoryi</i>	Riverbank Sedge	200
<i>Iris virginica</i>	Blue Flag	400
<i>Juncus effuses</i>	Common Rush	675
<i>Lobelia cardinalis</i>	Cardinal Flower	150
<i>Lobelia siphilitica</i>	Great Blue Lobelia	150
<i>Mimulus ringens</i>	Monkey Flower	150
<i>Sagittaria latifolia</i>	Arrowhead	250
<i>Scirpus acutus</i>	Hardstem Bulrush	500
<i>Sciropus atrovirens</i>	Dark Green Rush	150

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		2,000
	TOTAL	7.939

TOTAL 7.939

Aquatic Habitat

Establishment of aquatic vegetation and open water areas are proposed in the wetland creation area between the 642.0 and 640.50 elevations. Floating and submerged aquatic vegetation will be installed around the perimeter of each open water zone to provide additional wildlife habitat benefits. The relative proportions and varieties of species were selected based upon suitability to the anticipated soils and hydrologic conditions of the areas and are provided in Table 7 below.

Table 7. Aquatic Plants

Species name	Common Name	Condition	Quantity/Acre
Ceratophyllum demersum	Coontail	Bushel	2
Nuphar advena	Yellow Water Lily	Rootstock ends	50
Nymphaea tuberosa	White Water Lily	Weighted tubers	400
Pontederia cordata	Pickrel Weed	Rootstock ends	250

Wet to Mesic Prairie Vegetation

Establishment of prairie vegetation will be conducted on all side-slopes of the wetland creation area to provide buffering functions and create naturalized open space at the site.

As a result of the deep-roots that prairie species possess, significant water quality benefits are provided through infiltration and attenuation of runoff, and increased soil stabilization. Interception of pollutants occurs above ground within the dense prairie vegetation as well as subsurface as a result of the increased soil permeability that the network of roots provides. Not only is water quality improved as a result of increased soil permeability, a reduction in flooding can result due to the subsurface infiltration of stormwater. As a result of the prairie vegetated side-slopes, the function of the creation area is improved, and the viability is increased as a result of this primary treatment that the prairie vegetation provides.

Table 8. Wet to Mesic Prairie Seed Mix

Species Name	Common Name	Seeding Rate (lbs per acre)
<i>Agrostis alba</i>	Redtop	.50
<i>Andropogon gerardii</i>	Big Bluestem	3.00
<i>Andropogon scoparius</i>	Little Bluestem	2.00
<i>Asclepias incarnate</i>	Marsh Milkweed	0.25
<i>Aster novae-angliae</i>	New England Aster	0.13
<i>Aster leavis</i>	Smooth Blue Aster	0.063
<i>Avena sativa</i>	Oats	22.00
<i>Bouteloua curtipendula</i>	Side Oats Gramma	0.18
<i>Calamagrostis alba</i>	Blue Joint Grass	0.25
<i>Carex cristatella</i>	Crested Oval Sedge	0.125
<i>Carex vulpinoidea</i>	Fox Sedge	0.25
<i>Cassia fasciculata</i>	Partridge Pea	0.25
<i>Coreopsis tripteris</i>	Tall Coreopsis	0.063
<i>Echinacea purpurea</i>	Purple Coneflower	0.25
<i>Elymus Canadensis</i>	Canada Wild Rye	1.00
<i>Elymus virginicus</i>	Virginia Wild Rye	1.00
<i>Eryngium yuccifolium</i>	Rattlesnake Master	0.125
<i>Eupatorium perfoliatum</i>	Common Boneset	0.25
<i>Gentiana andrewsii</i>	Bottle Gentian	0.06
<i>Helenium autumnale</i>	Sneezeweed	0.25
<i>Heliopsis helianthoides</i>	False Sunflower	0.125
<i>Juncus torreyi</i>	Torrey' Rush	0.25
<i>Leersia oryzoides</i>	Rice Cut Grass	0.25
<i>Liatris spicata</i>	Marsh Blazing Star	0.25
<i>Lolium multiflorum</i>	Annual Rye	6.00
<i>Monarda fistulosa</i>	Wild Bergamot	0.125
<i>Panicum virgatum</i>	Switch Grass	0.125
<i>Petalostemum purpureum</i>	Purple Prairie Clover	0.063
<i>Phleum pratense</i>	Timothy	1.25

<i>Physostegia virginiana</i>	Obedient plant	0.06
<i>Pycnanthemum virginianum</i>	Common Mountain Mint	0.03
<i>Ratibida pinnata</i>	Yellow Coneflower	0.25
<i>Rudbeckia hirta</i>	Brown Eyed Susan	0.25
<i>Rudbeckia laciniata</i>	Wild Golden Glow	0.125
<i>Scirpus atrovirens</i>	Dark Green Rush	0.25
<i>Silphium integrifolium</i>	Rosin Weed	0.125
<i>Silphium laciniatum</i>	Compass Plant	0.125
<i>Silphium perfoliatum</i>	Cup Plant	0.25
<i>Silphium terebinthinaceum</i>	Prairiedock	0.125
<i>Solidago juncea</i>	Early Goldenrod	0.125
<i>Solidago rigida</i>	Stiff Goldenrod	0.125
<i>Solidago rugosa</i>	Rough Goldenrod	0.125
<i>Sorghastrum nutans</i>	Indian Grass	0.125
<i>Spartina pectinata</i>	Prairie Cordgrass	0.37
<i>Vernonia fasciculata</i>	Ironweed	0.063
<i>Verbena hastata</i>	Blue Vervain	0.25
<i>Zizia aurea</i>	Golden Alexanders	0.03

TOTAL

43.16 lbs./acre